



Lab - Using your Access Token

Wherein ...

- We realize that APP Keys are still not as secure as we would like, and
- Deploy an "Oauth" proxy to generate limited time tokens for us, and
- Reconfigure our Verification to use a token, instead of an API Key

Oauth proxy needs a Basic Authentication header

- Generate a **base64 encoded clientId:clientSecret** to receive an access_token
 - google "base64 encode"; select an online encoder
 - clip Consumer Key and Consumer Secret from your DevApp:

Credentials

Issued	Expiry	Consumer Key	Consumer Secret
Apr 19 2017 6:46 AM 14 days ago	Never	bAaxoqAioJmW6P4Fs7oLFqcO6oHBMkpk	<div>Hide</div> ITOhGTj9NNdcUCha
		Product	
		ApiEateryProduct4	

- encode **clientId:clientSecret**, and clip resulting encoded string
- this is "<your_b64_encoded_clientId:clientSecret>"

Using Access Tokens

- Pass the b64encoded string as a Basic Auth Token to retrieve an access token:

Request: POST

`https://<yourOrg>-test.apigee.net/oauth/client_credential/accesstoken?grant_type=client_credentials`

Header:

`Authorization: Basic <your_b64_encoded_clientId:clientSecret>`

- Capture the access_token:
 - - e.g.: "access_token" : "4WCAchNNtVyK8JsACl1HP7mlWW1X",

Using Access Tokens

- Replace the Validate API Key policy with an OAuth Policy to validate the access_token

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<OAuthV2 async="false" continueOnError="false" enabled="true" name="OAuth-v20-1">
  <DisplayName>OAuth v2.0-1</DisplayName>
  <Properties/>
  <Attributes/>
  <ExternalAuthorization>false</ExternalAuthorization>
  <Operation>VerifyAccessToken</Operation>
  <SupportedGrantTypes/>
  <GenerateResponse enabled="true"/>
  <Tokens/>
</OAuthV2>
```

Test

- Add the access token as "Authorization: Bearer " header to your request:

Request:

<http://<yourOrg>-test.apigee.net/v1/apieatery/chefs>

Header:

Authorization: Bearer 4WCAchNNtVyK8JsACl1HP7mIWW1X

- Test your API call
- Once you have validated an access_token successfully, remove the OAuth Validation, and replace it with the APIKey Validation policy
 - (So we don't have to keep getting new tokens for the remaining labs...

THANK YOU